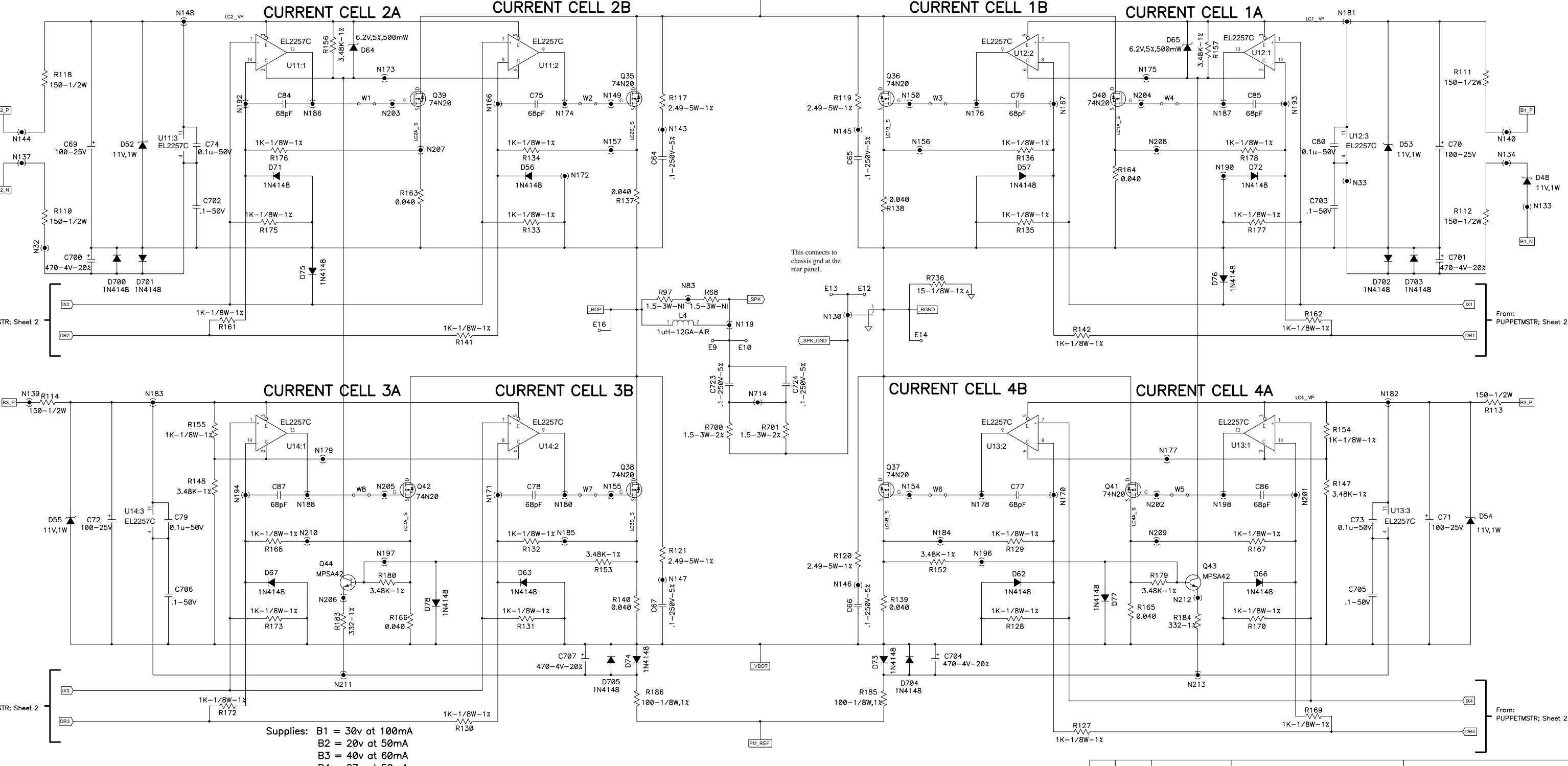


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LC_OUTPUTS



4. R1 IS A POSITIVE TEMPERATURE COEFFICIENT RESISTOR MOUNTED TO HEAT SINK. RESISTANCE IS 100 MAX. QHM COLD.

3. ALL CAPACITORS 100V TOLERANCE 20% FOR ELECTROLYTIC TYPES 10% ON ALL OTHERS

3. ALL CAPACITORS 100V, TOLERANCE 20% FOR ELECTROLYTIC TYPES, 10% ON ALL OTHERS.
4. COMPONENTS WITH VALUE PREFIXED WITH A "1" REPRESENT SMT COMPONENTS.

2. COMPONENTS WITH VALUE PREFIXED WITH A  REPRESENT SMT COMPONENTS
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WD. 000171-00

1. THIS DRAWING USED IN CONJUNCTION

QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR		
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES		CONTRACT NO.	 QSC AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA			
.xx ±	.xxx ±	0	APPROVALS	DATE		
DEBURR EDGES :XXX R MAX			DRAWN P. IERYMENKO	11-30-95		
MATERIAL			CHECKED W. RULAND	5-13-98		
FINISH			ISSUED TIM SHOOK	5-15-98		
DO NOT SCALE DRAWING			CAD SEED FILE NO.	PLOT DATE: Thu May 04, 2006		
			SIZE	FSCM NO.	DWG NO.	REV
			D		SH-000171-00	
			SCALE	None	CAD FILE NO.	sh0171-b1.sch
					SHEET	1 OF 7

SC AUDIO PRODUCTS, INC.
COSTA MESA, CALIFORNIA

SCHEMATIC DIAGRAM

MAIN PCB. PL 9.0

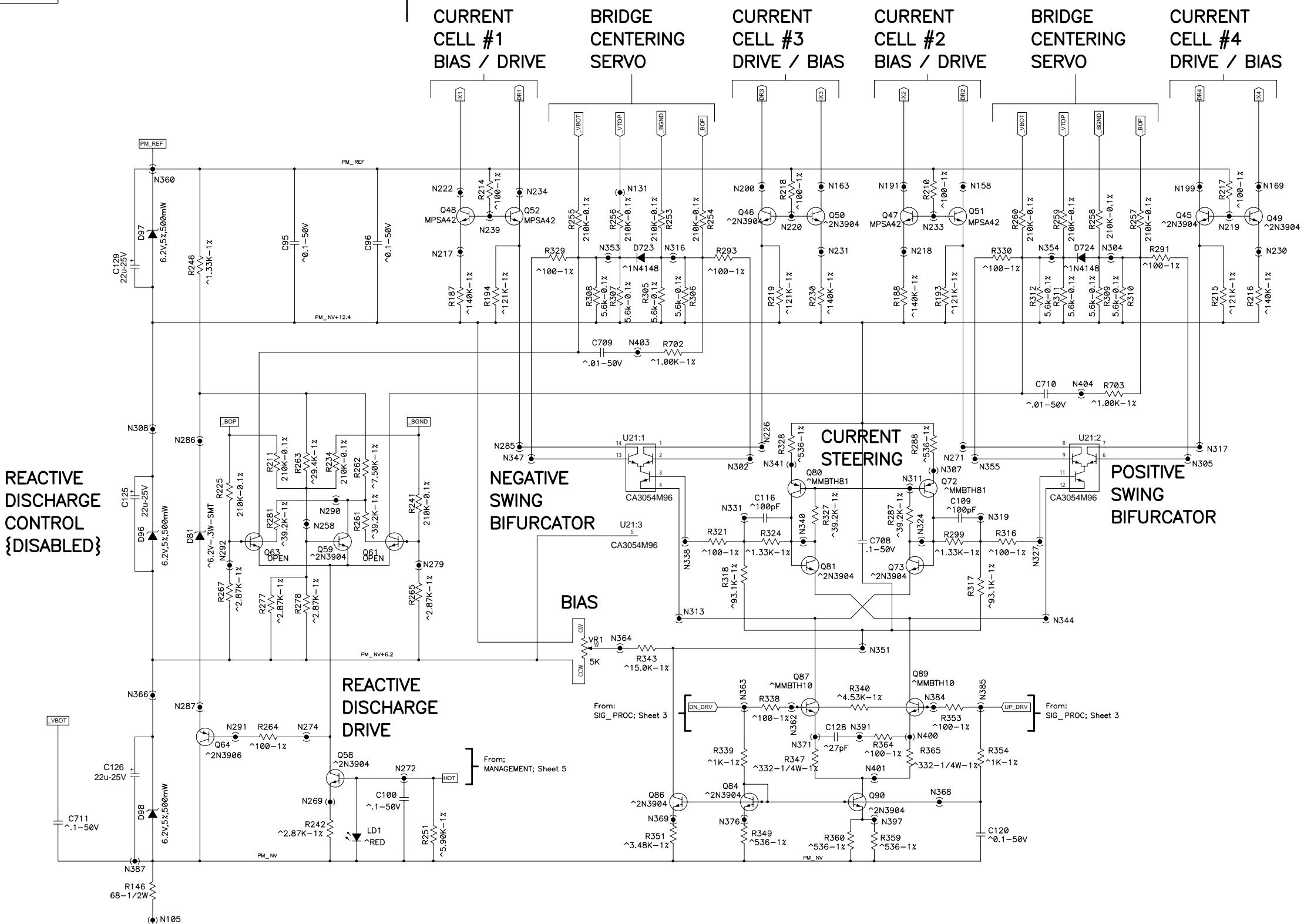
0. DWG NO. SH-000171-0

SH-000171-6

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PUPPETMSTR

To:
LC_OUTPUTS; Sheet 1



SIG_PROC

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ROUTING

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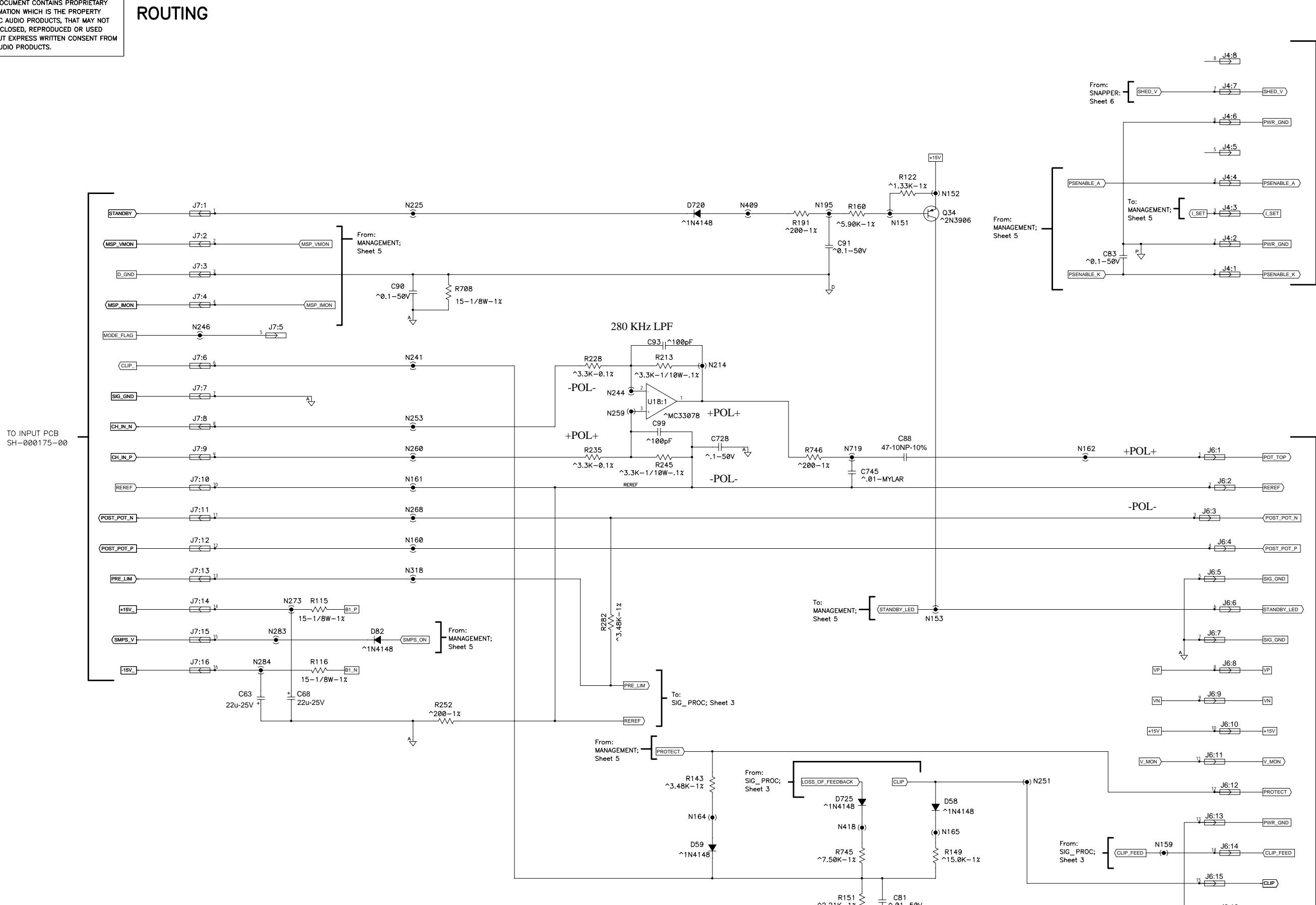
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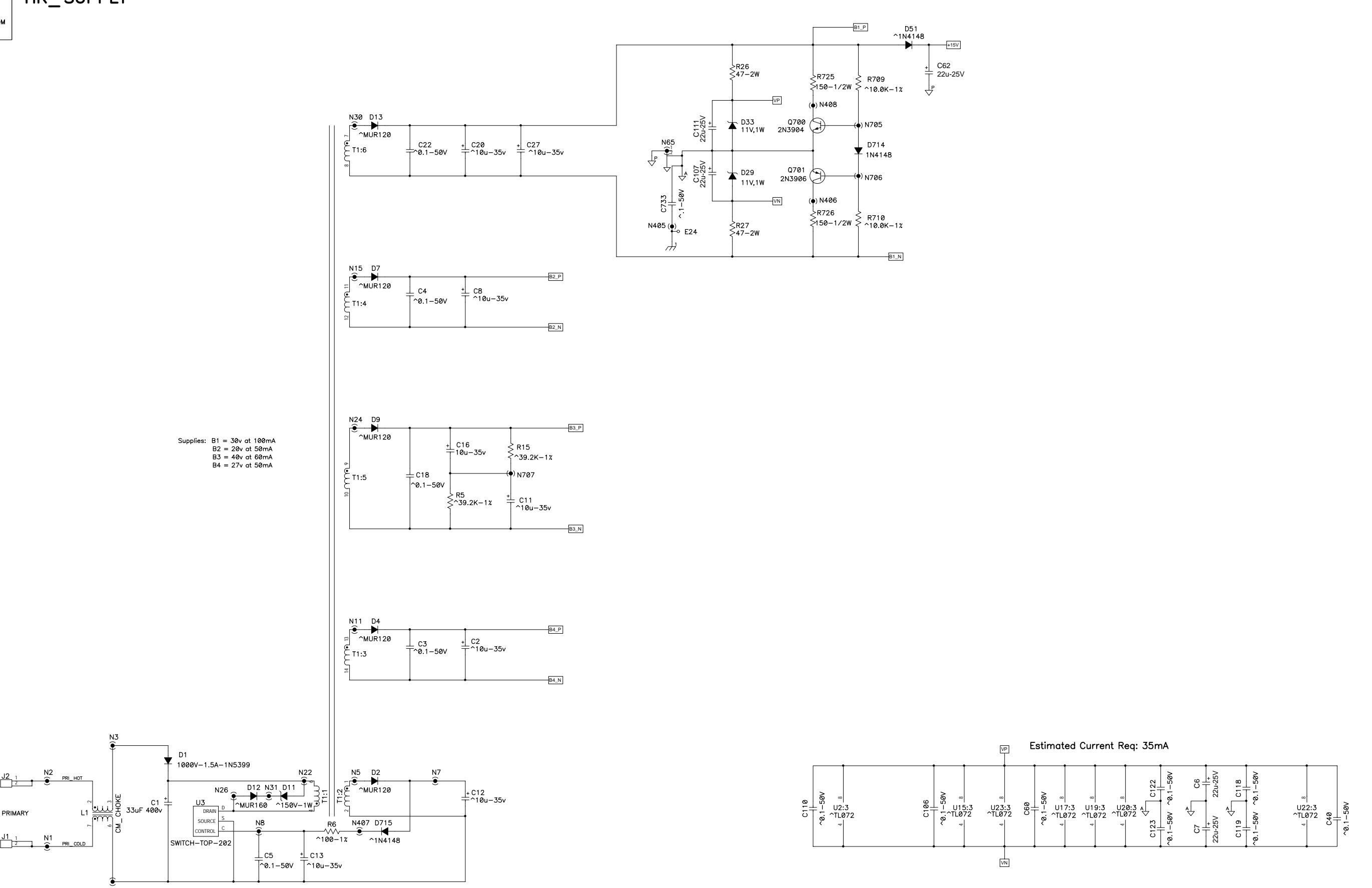
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HK_SUPPLY



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4. CH 1 COMPONENTS NUMBERED 501-599.
CH2 COMPONENTS NUMBERED 601-699.

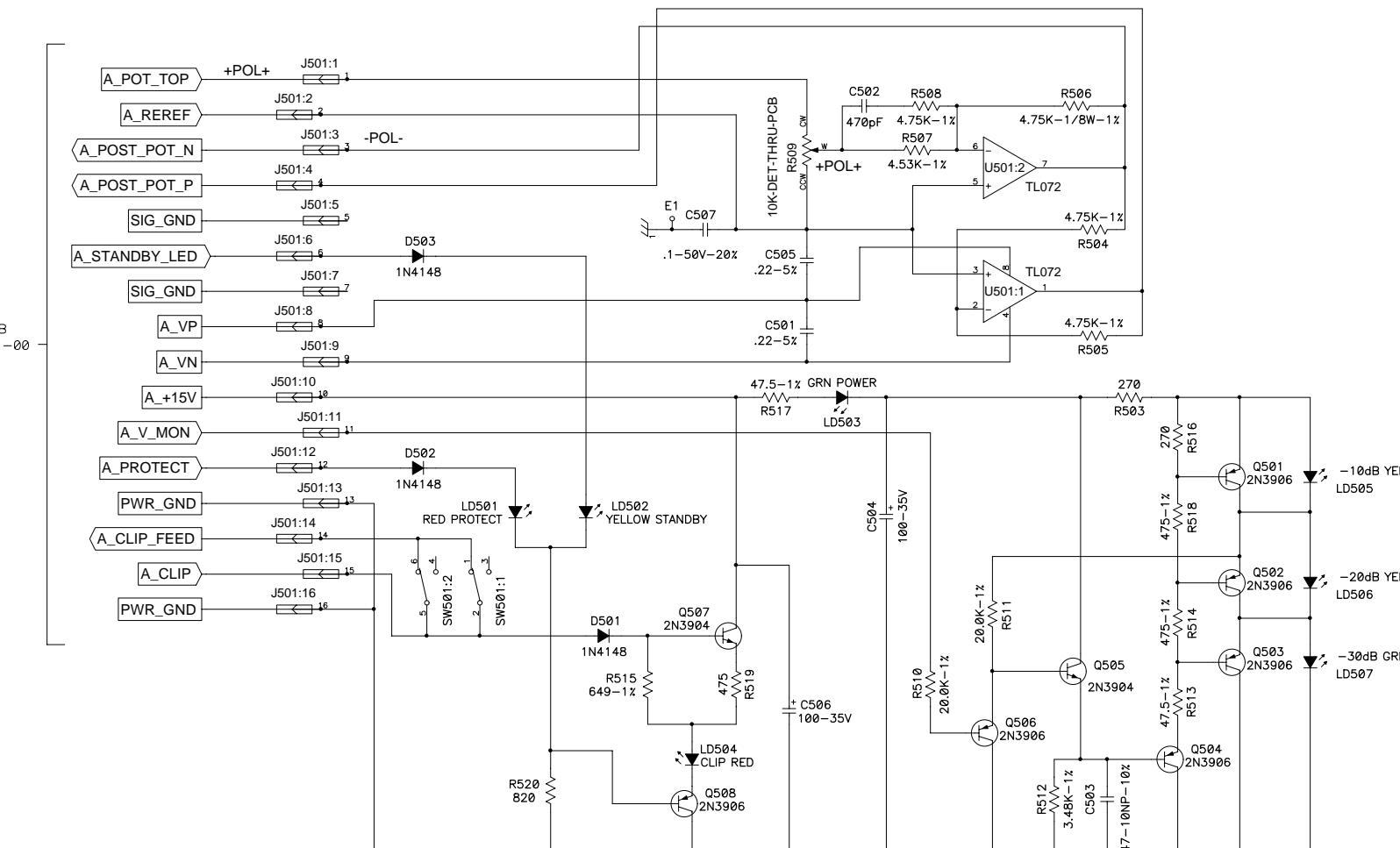
3. ALL CAPACITORS ARE IN MICROFARADS.

2. ALL RESISTORS ARE IN OHMS, 1/4W, 5%.

1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000176-00
AND FABRICATION DRAWING PC-000176-00.

NOTES: UNLESS OTHERWISE SPECIFIED

TO MAIN PCB
SH-000171-00
SHEET 4

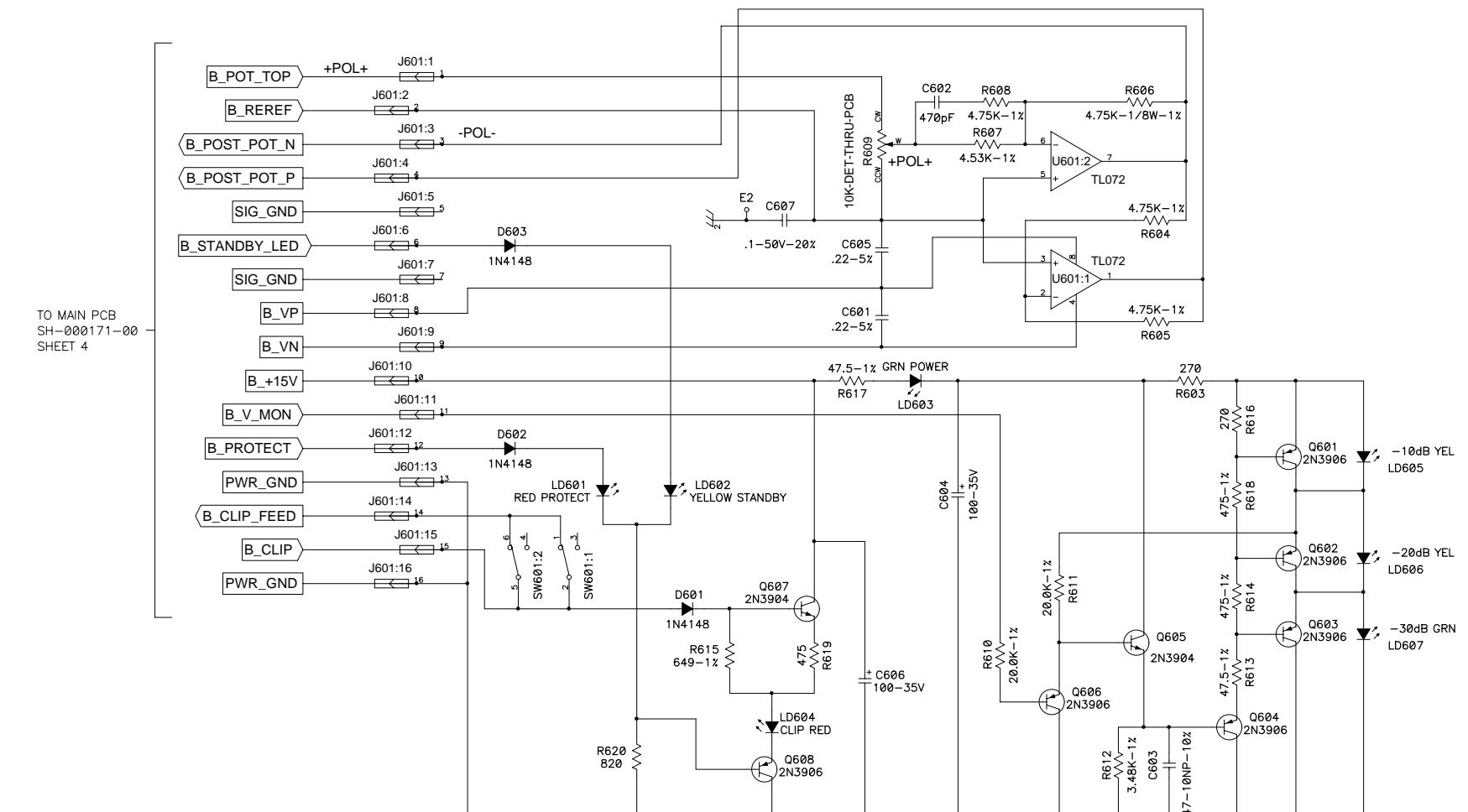


QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	CONTRACT NO.			
DEBURR EDGES .XXX R MAX	APPROVALS	DATE		
MATERIAL	DRAWN	P. Ilyermenko	11-30-95	
	CHECKED	RCM	5-13-98	
WP-000176-00	ISSUED	TIM SHOOK	5-15-98	
NEXT ASSY	USED ON			
APPLICATION	DO NOT SCALE DRAWING			
CAD SEED FILE NO.	PLOT DATE:	Thu May 04, 2000	SIZE	FSCM NO. DWG NO.
			D	SH-000176-00
	SCALE	NONE	CAD FILE NO.	Sh176-b.sch
				SHEET 1 OF 2

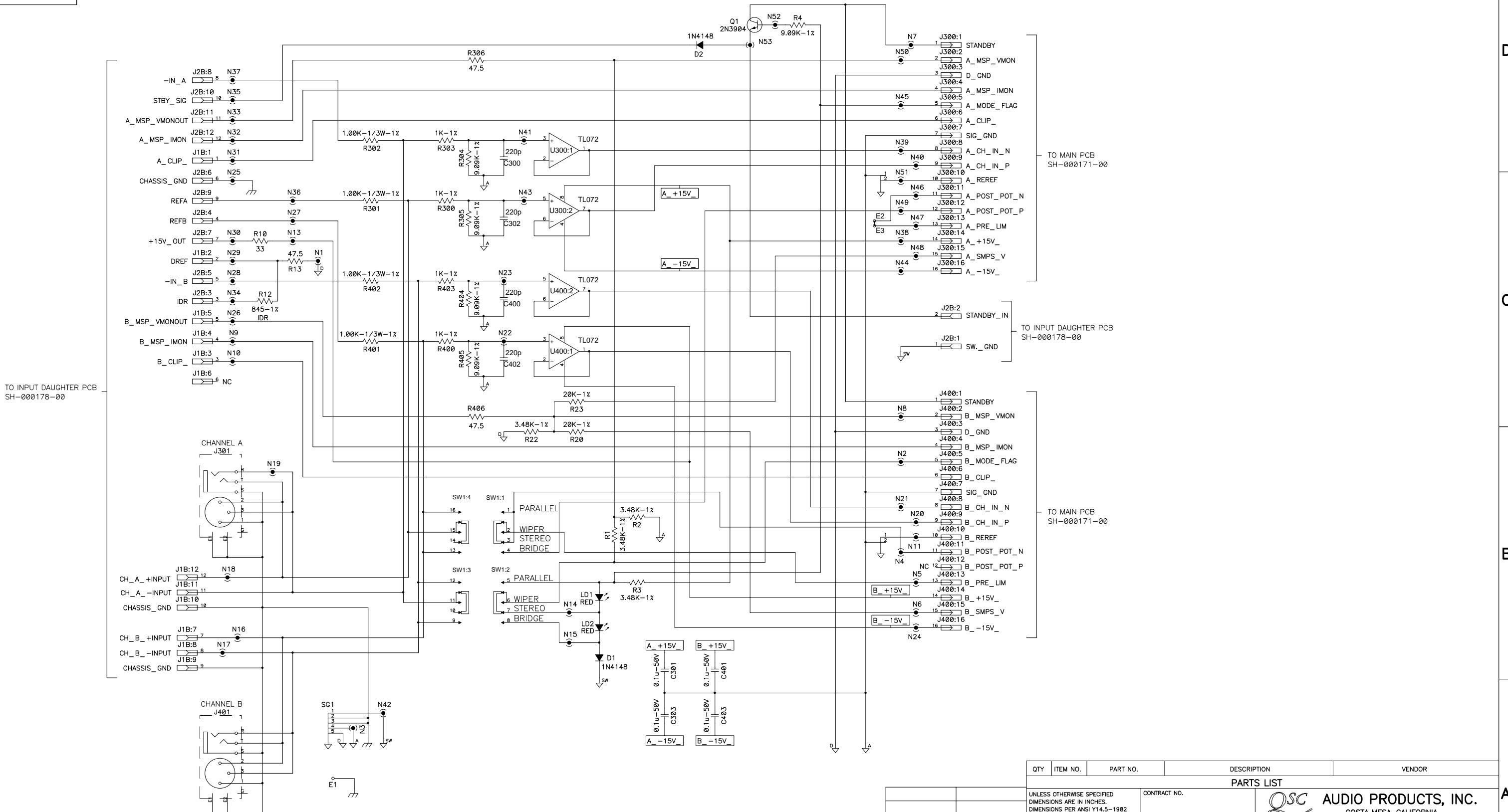
QSC AUDIO PRODUCTS, INC.
COSTA MESA, CALIFORNIA

SCHEMATIC DIAGRAM
DISPLAY PCB, PL 9.0 & 6.0

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1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000175-00
AND FABRICATION DRAWING PC-000175-00.

NOTES: UNLESS OTHERWISE SPECIFIED

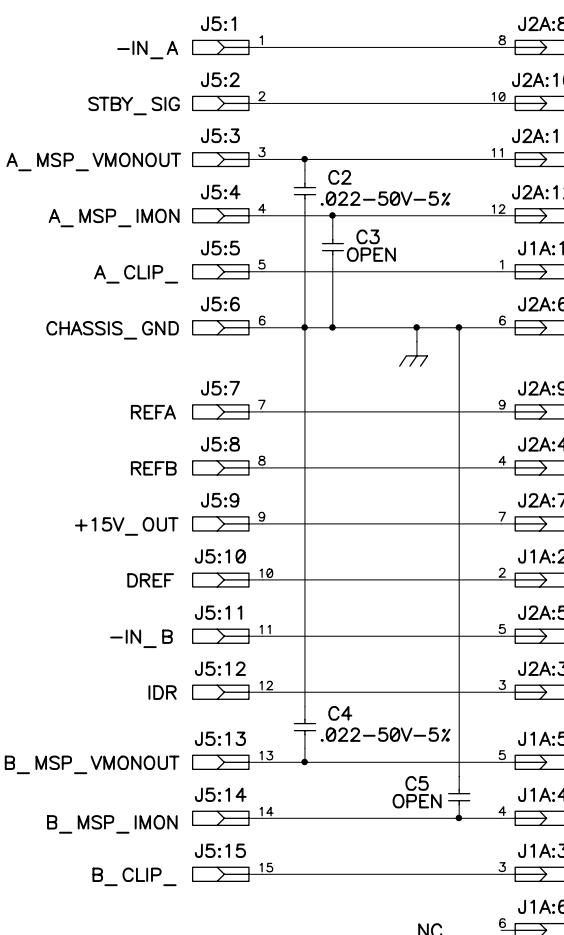
QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	CONTRACT NO.			
DEBURR EDGES .XXX R MAX	APPROVALS	DATE		
MATERIAL	P. Ilyremenko	11-30-95		
	CHECKED			
WP-000175-00	FINISH	ISSUED		
NEXT ASSY	USED ON			
CAD SEED FILE NO.	PLOT DATE:	Thu May 04, 2000	SIZE	FSCM NO. DWG NO. REV
			D	SH-000175-00
APPLICATION	DO NOT SCALE DRAWING		SCALE	None
			CAD FILE NO.	sh175-5.sch
			SHEET	1 OF 1

SCHEMATIC DIAGRAM
INPUT PCB, PL 9.0

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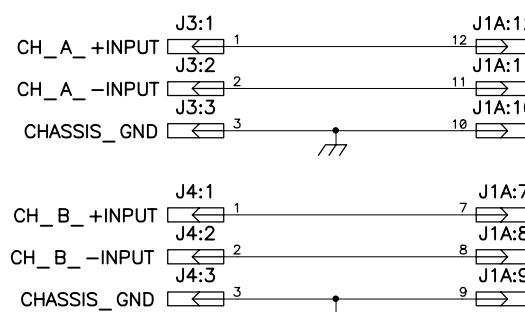
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TO INPUT PCB
SH-000175-00

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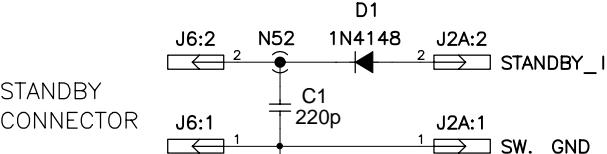
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TO INPUT PCB
SH-000175-00

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TO INPUT PCB
SH-000175-00

QTY	ITEM NO.	PART NO.	DESCRIPTION		VENDOR
PARTS LIST					
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982	CONTRACT NO.	QSC AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA
			TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	APPROVALS	DATE
			DEBURR EDGES .XXX R MAX	DRAWN	A. CERRILLO 3-18-96
			MATERIAL	CHECKED	
	WP-000178-00	PL 9.0	FINISH	ISSUED	
	NEXT ASSY	USED ON		CAD SEED FILE NO.	SIZE FSCM NO. DWG NO.
				SH0178-1.SCH	C SH-000178-00 REV
	APPLICATION		DO NOT SCALE DRAWING	SCALE	CAD FILE NO. sh178-a3.sch SHEET 1 OF 1
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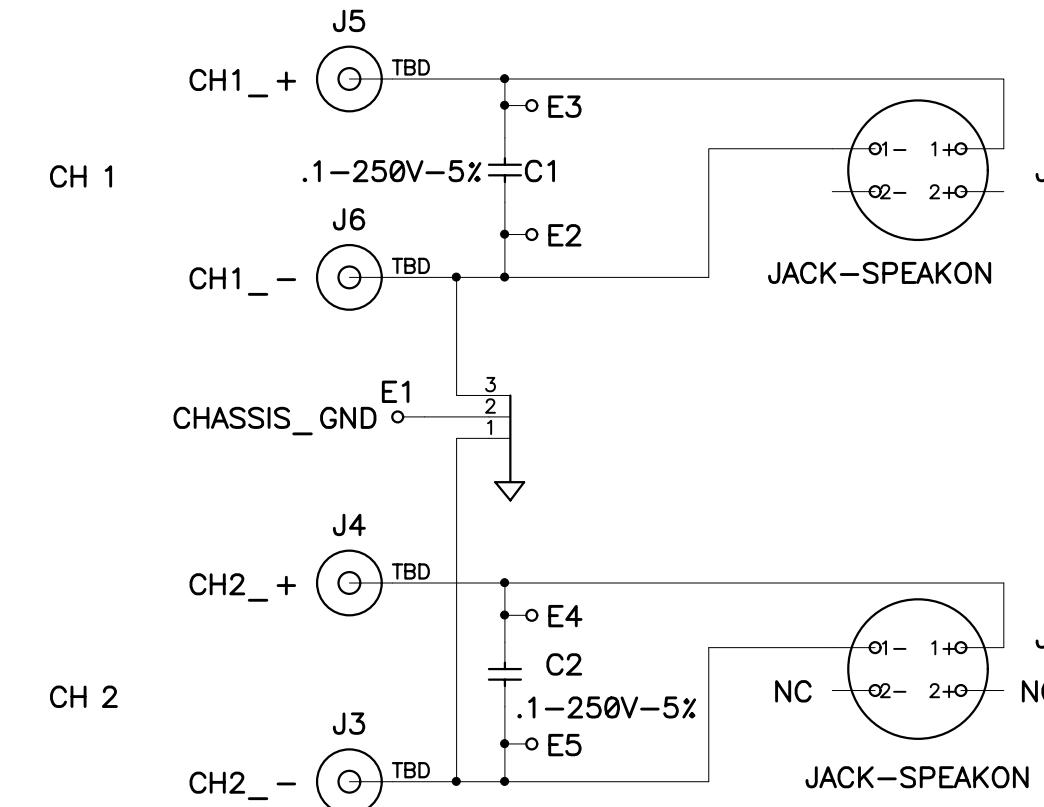
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QSC AUDIO PRODUCTS.



1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000179-00
AND FABRICATION DRAWING PC-000179-00.

NOTES: UNLESS OTHERWISE SPECIFIED

QTY	ITEM NO.	PART NO.	DESCRIPTION		VENDOR
PARTS LIST					
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0 DEBURR EDGES .XXX R MAX	CONTRACT NO.		 AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA
		DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	APPROVALS	DATE	DRAWN A. CERRILLO 6-11-97 CHECKED
			DRAWN A. CERRILLO	6-11-97	
			CHECKED		
WP-000179-00	PL 9.0	FINISH	ISSUED		SIZE FSCM NO. DWG NO. B SH-000179-00
NEXT ASSY	USED ON		CAD SEED FILE NO.	PLOT DATE: Thu May 04, 2000	REV CAD FILE NO. sh0179-A.sch
APPLICATION		DO NOT SCALE DRAWING	SCALE	NONE	SHEET 1 OF 1

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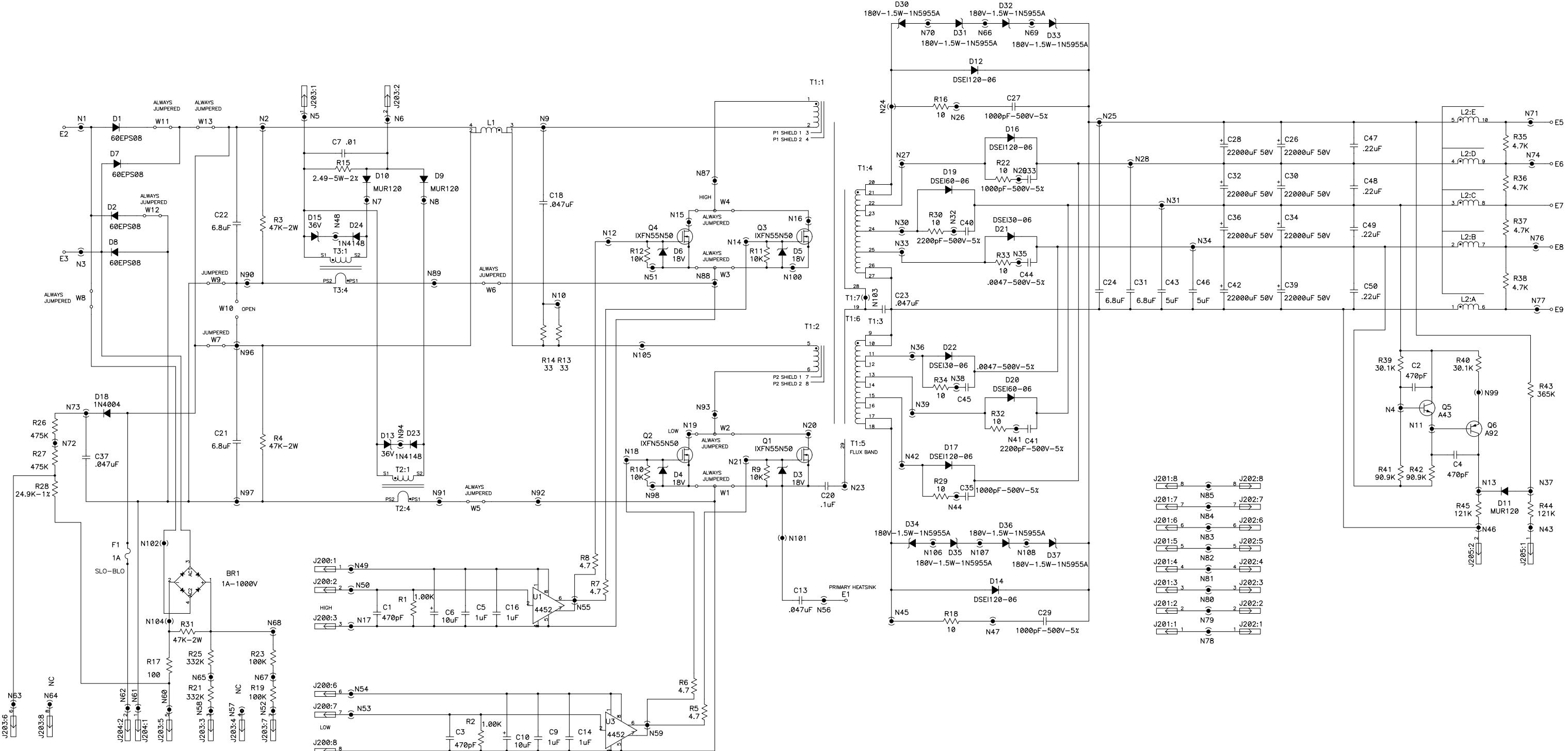
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QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: .XX ± .XXX ± .000	CONTRACT NO.			
DECIMALS DECIMALS ANGLES	APPROVALS	DATE		
DEBURR EDGES .XXX R MAX	DRAWN	ERIC MENDENHALL	3-5-98	
MATERIAL	CHECKED	R. MUNIZ	5-14-98	
FINISH	ISSUED	TIM SHOOK	5-15-98	
	PLOT DATE:	Thu May 04, 2008		
	CAD SEED FILE NO.	sh173-E.sch		
	SCALE	None		
	CAD FILE NO.	sh173-E.sch		
	SHEET	1 OF 1		

1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000173-00
AND FABRICATION DRAWING PC-000173-00.

NOTES: UNLESS OTHERWISE SPECIFIED

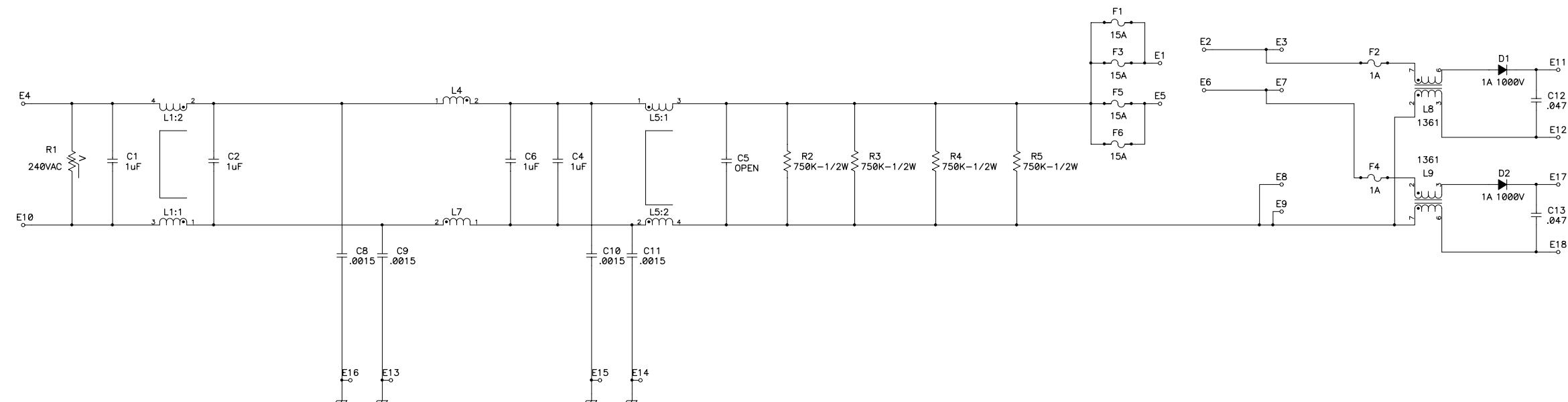
QSC AUDIO PRODUCTS, INC.
COSTA MESA, CALIFORNIA

SCHEMATIC DIAGRAM

PWR SPLY PCB, PL 9.0 (120V)

REV SH-000173-00

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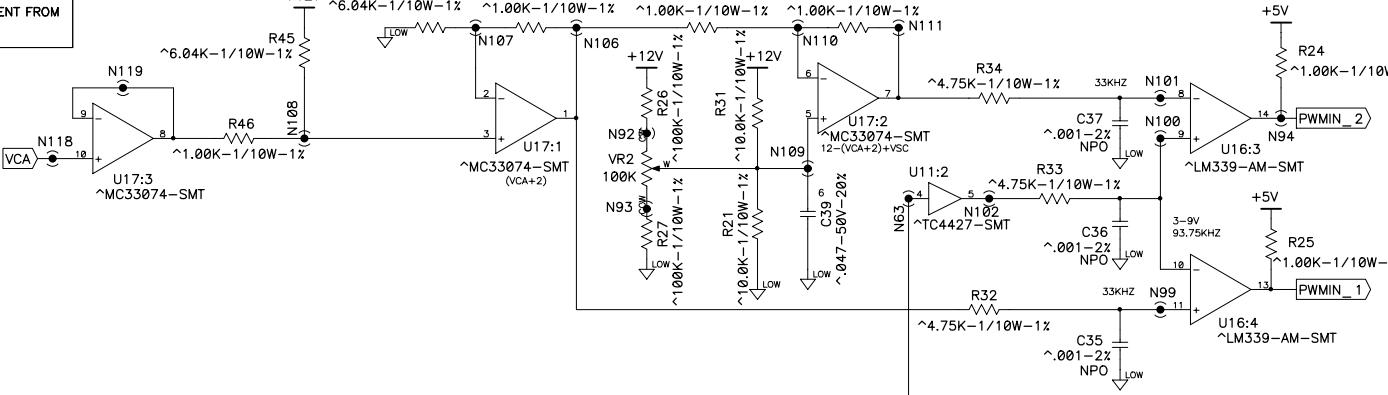
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000181-00
AND FABRICATION DRAWING PC-000177-00.

NOTES: UNLESS OTHERWISE SPECIFIED

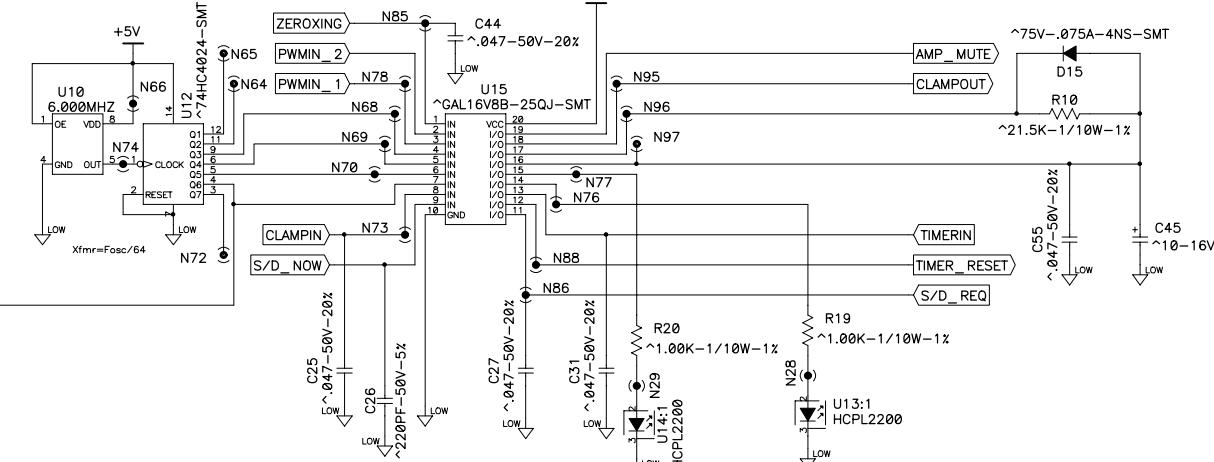
QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982	CONTRACT NO.
			TOLERANCES ARE: DECIMALS DECIMALS ANGLES	APPROVALS DATE
			.XX ± .XXX ± 0	DRAWN ERIC MENDENHALL 2-9-98
			DEBURR EDGES .XXX R MAX	MATERIAL CHECKED RCM 5-14-98
			MATERIAL	FINISH ISSUED TIM SHOOK 5-15-98
			APPROVALS DATE	SIZE FSCM NO. DWG NO.
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			MATERIAL CHECKED RCM 5-14-98	
			FINISH ISSUED TIM SHOOK 5-15-98	
			APPROVALS DATE	
			DRAWN ERIC MENDENHALL 2-9-98	
			MATERIAL CHECKED RCM 5-14-98	
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			MATERIAL CHECKED RCM 5-14-98	

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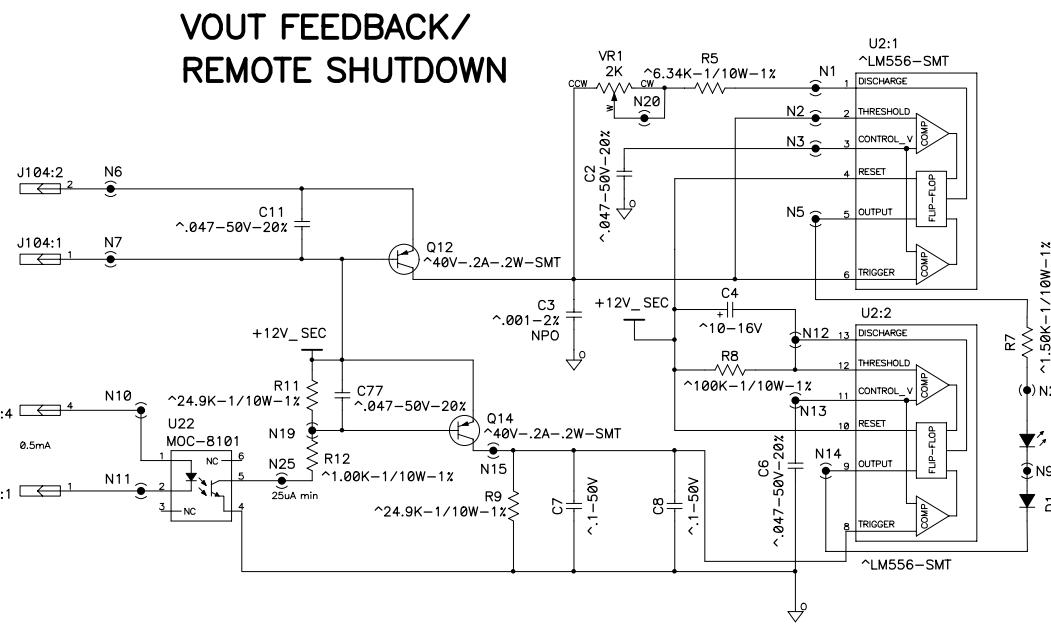
MODULATOR



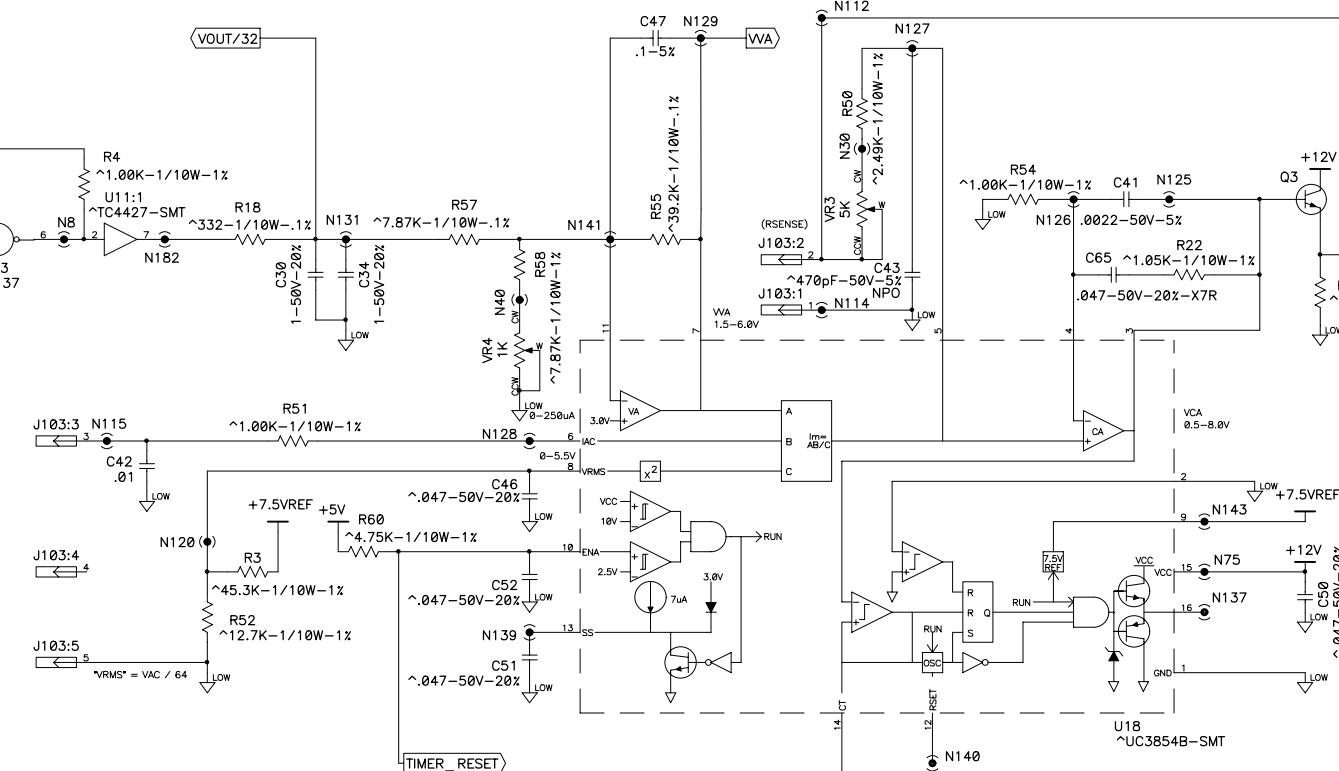
CLAMPOUT = (TIMERIN * /CLAMPIN * /SD) + (CLAMPOUT * /SD)
 SD = /SDREQ * ZEROXING + SD * /SDREQ + /SDNOW
 TIMERREST = /SD
 AMPMUTE = CLAMPOUT



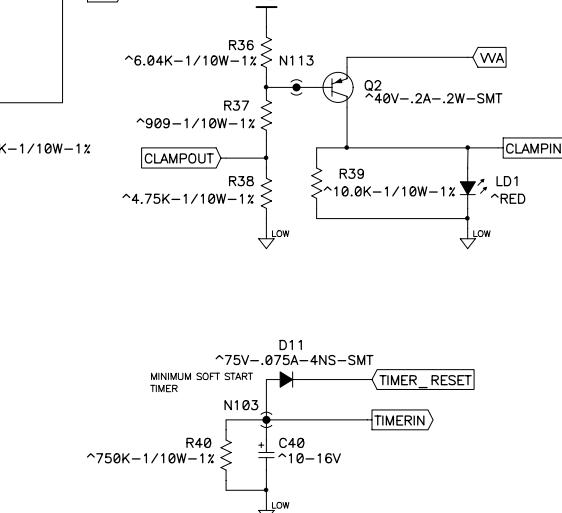
VOUT FEEDBACK/REMOTE SHUTDOWN



PFC LOOP CONTROLS



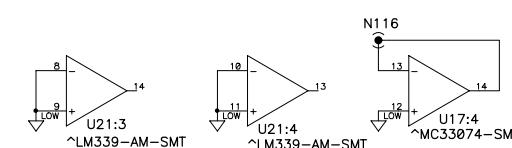
SOFT START



2. SYMBOL "^\~" BEFORE A COMPONENT VALUE DENOTES THAT COMPONENT IS SURFACE MOUNT.

1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000174-00 AND FABRICATION DRAWING PC-000174-00.

NOTES: UNLESS OTHERWISE SPECIFIED



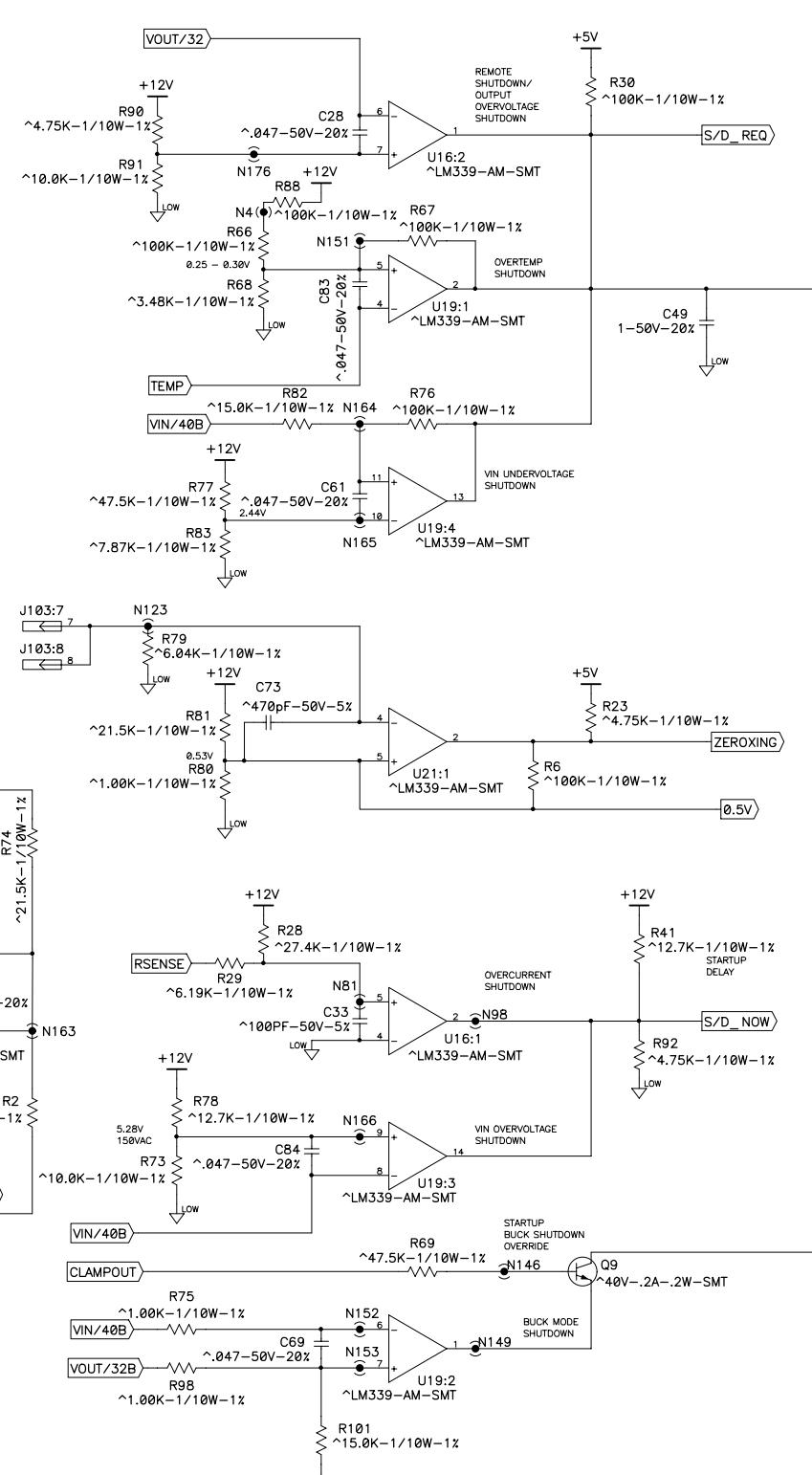
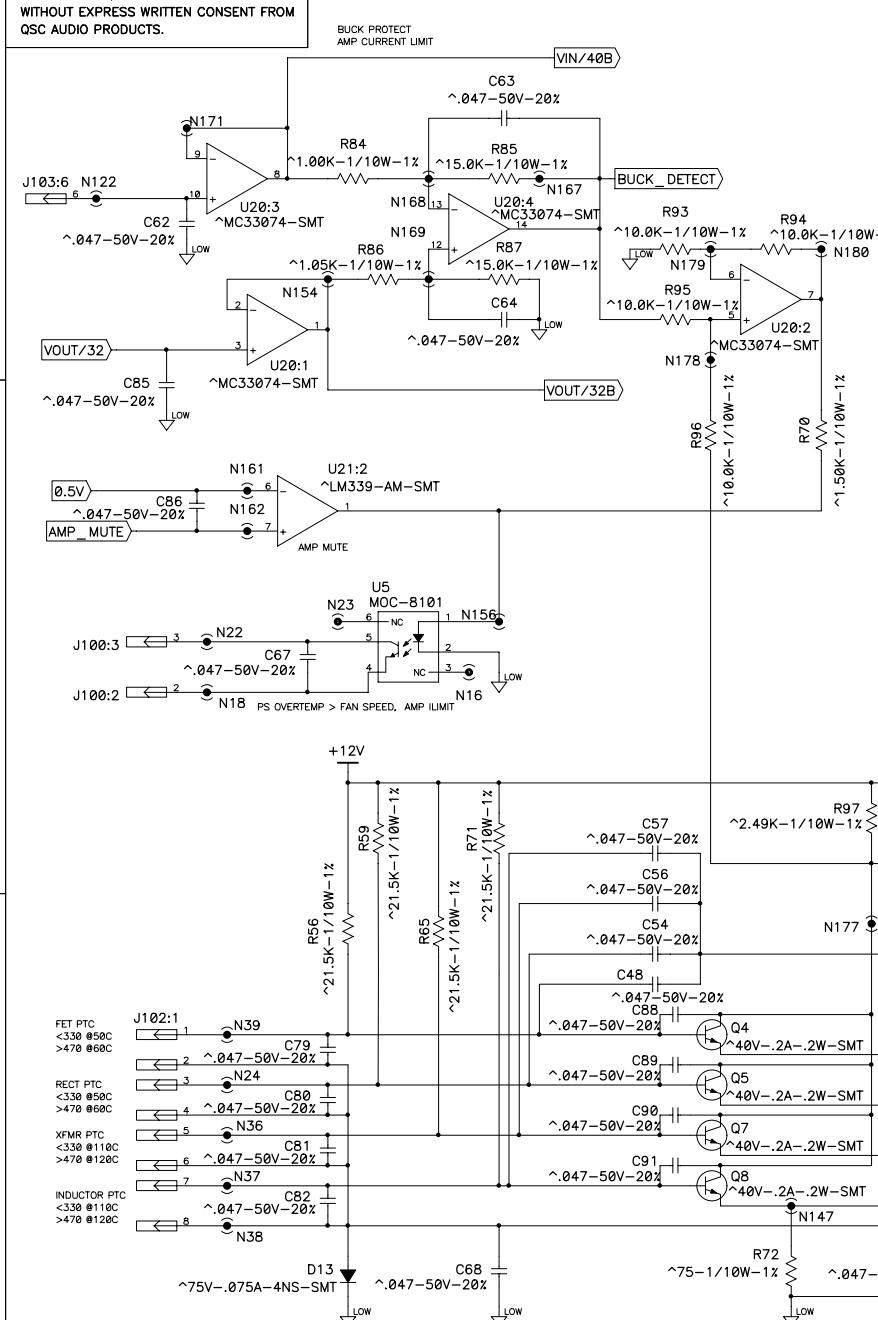
QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± .0	CONTRACT NO.
			DEBURR EDGES .XXX R MAX	APPROVALS DATE
			MATERIAL	DRAWN ERIC MENDENHALL 9/8/97
				CHECKED RCM 5-13-98
				FINISH ISSUED TIM SHOCK 5-15-98
				PLOT DATE: CAD SEED FILE NO. PLOT DATE: CAD FILE NO. SHEET
				Thu May 04, 2000 SH-000174-D.sch 1 OF 2
			APPLICATION DO NOT SCALE DRAWING	SIZE FSCM NO. DWG NO. REV
				D SH-000174-00 1

QSC AUDIO PRODUCTS, INC.
COSTA MESA, CALIFORNIA

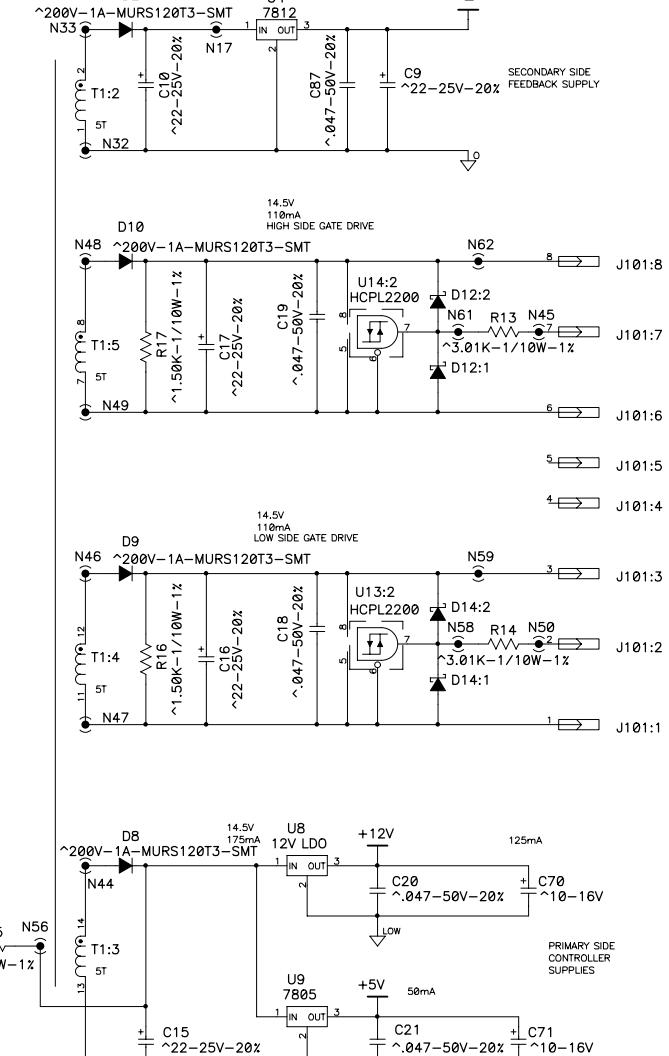
SCHEMATIC DIAGRAM
PL9.0 PWR SUPPLY CONTROLLER

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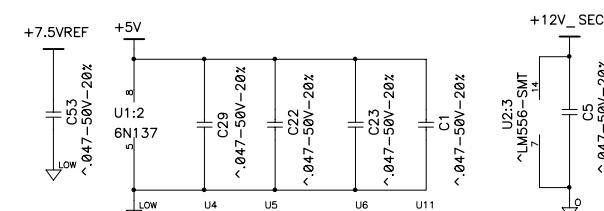
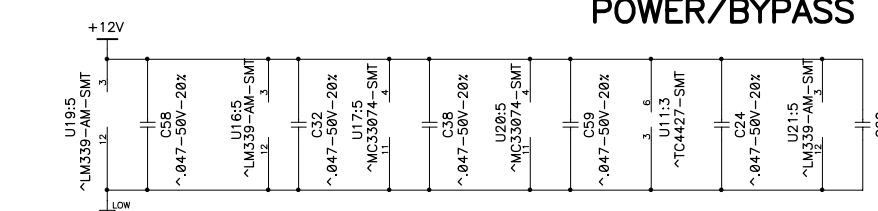
PROTECTION



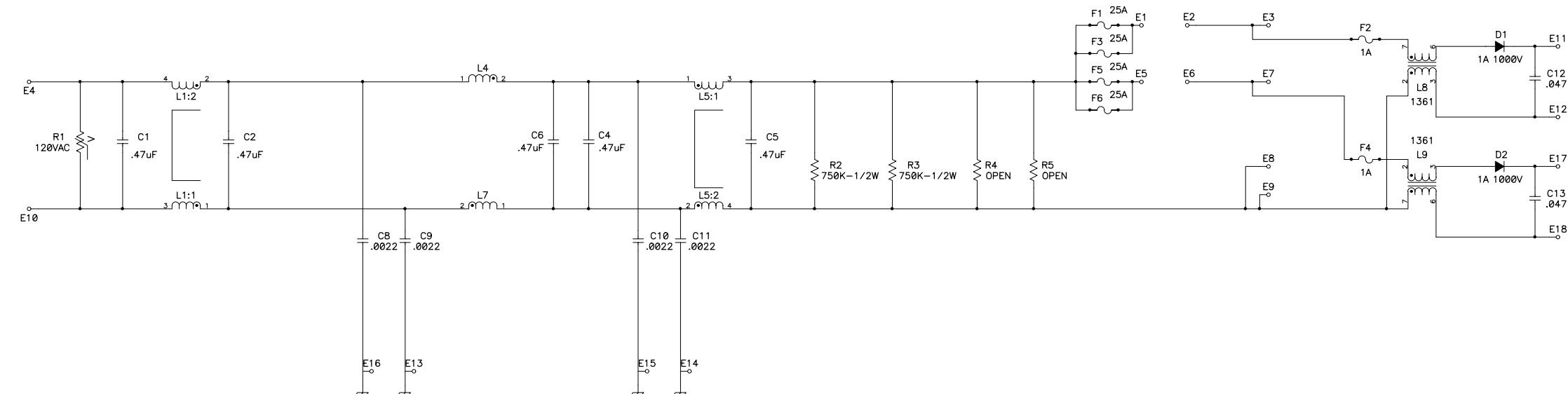
HOUSEKEEPING SUPPLY



POWER/BYPASS



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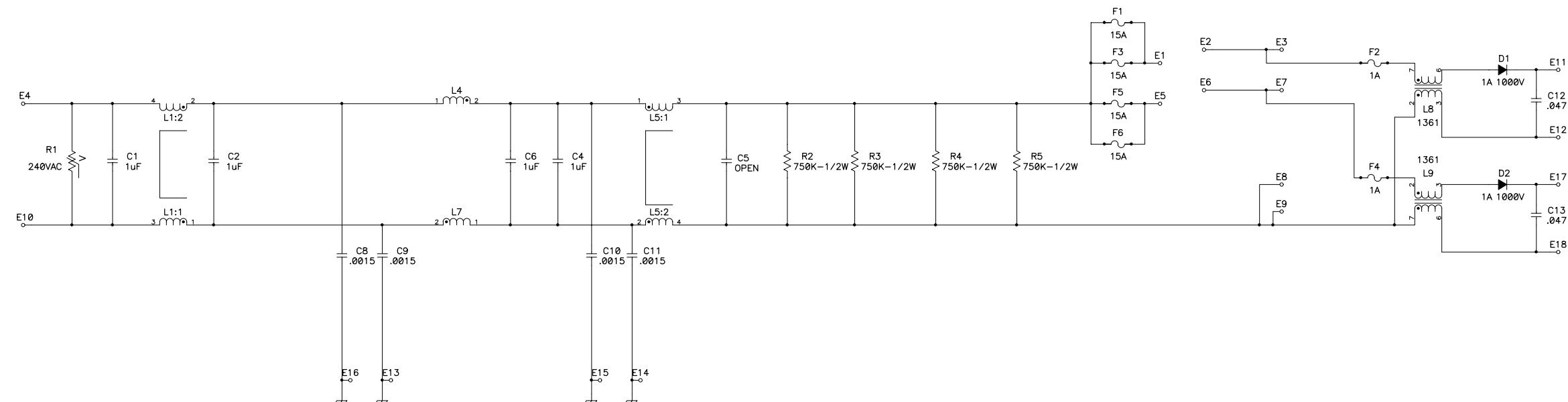
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000177-00
AND FABRICATION DRAWING PC-000177-00.
NOTES: UNLESS OTHERWISE SPECIFIED

QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
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			TOLERANCES ARE: DECIMALS DECIMALS ANGLES	
			.XX ± .XXX ± 0	APPROVALS DATE
			DEBURR EDGES .XXX R MAX	DRAWN ERIC MENDENHALL 2-9-98
			MATERIAL	CHECKED RCM 5-13-98
			WP-000177-00 PL 9.0	FINISH ISSUED TIM SHOOK 5-15-98
			NEXT ASSY USED ON	SIZE FSCM NO. DWG NO. REV
			APPLICATION	D SH-000177-00
			DO NOT SCALE DRAWING	CAD SEED FILE NO. PLOT DATE: Thu May 04, 2000 CAD FILE NO. SH177-B.sch SHEET 1 OF 1

SCHEMATIC DIAGRAM

PL9.0 LINE FILTER 120VAC

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1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000181-00
AND FABRICATION DRAWING PC-000177-00.

NOTES: UNLESS OTHERWISE SPECIFIED

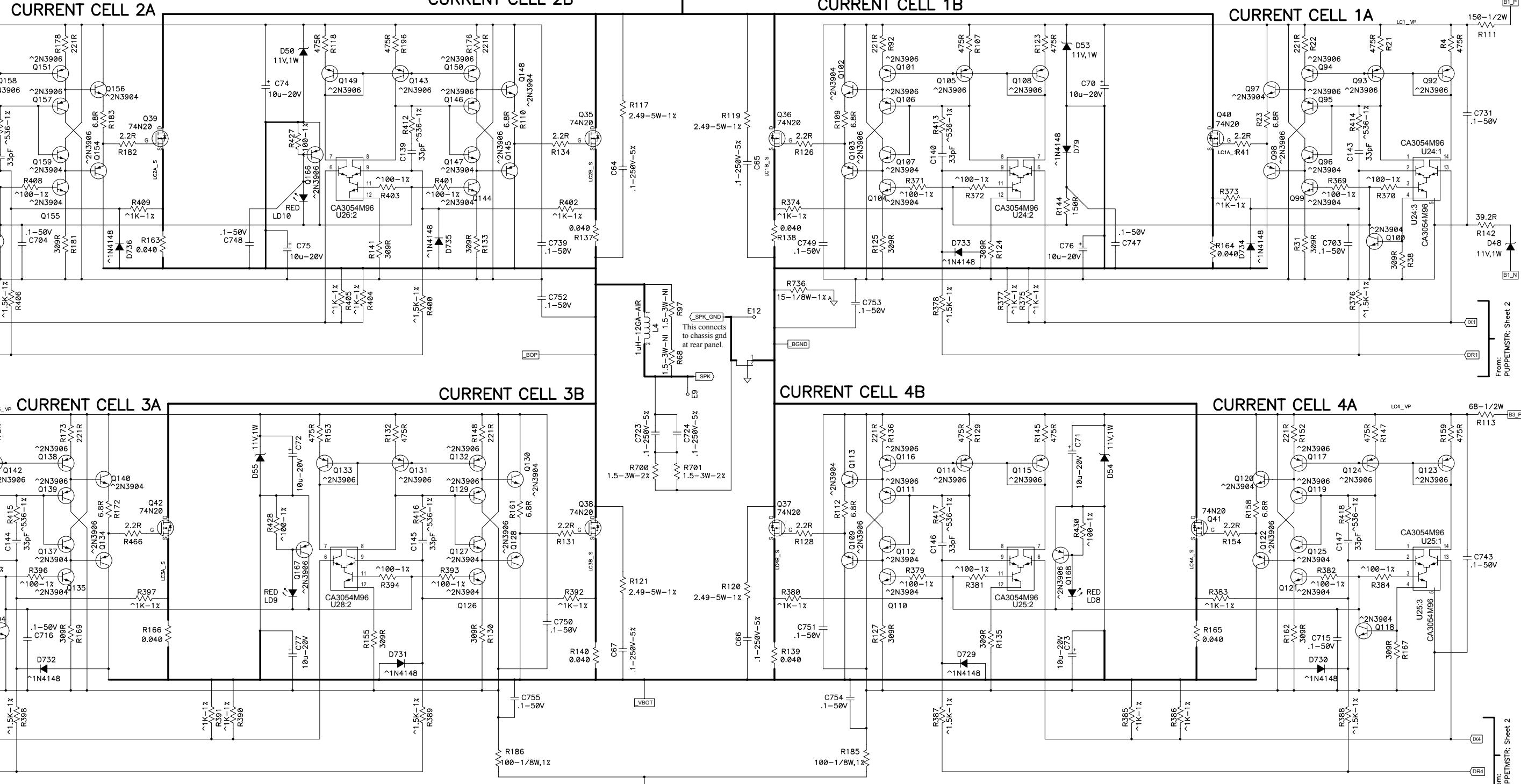
QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
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			TOLERANCES ARE: DECIMALS DECIMALS ANGLES	APPROVALS DATE
			.XX ± .XXX ± 0	DRAWN ERIC MENDENHALL 2-9-98
			DEBURR EDGES .XXX R MAX	MATERIAL CHECKED RCM 5-14-98
			MATERIAL	FINISH ISSUED TIM SHOOK 5-15-98
			APPROVALS DATE	SIZE FSCM NO. DWG NO.
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			APPROVALS DATE	
			DRAWN ERIC MENDENHALL 2-9-98	
			MATERIAL CHECKED RCM 5-14-98	

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LC_OUTPUTS

Supplies: B1 = 30v at 100mA
B2 = 20v at 50mA
B3 = 40v at 60mA
B4 = 27v at 50mA

REVISION				
V	DESCRIPTION	EFF. DATE	CHK	APPROVED / DATE
A	PRODUCTION RELEASE PER ECO 5894 AA	9-12-03		



4. R1, shown on MANAGEMENT sheet, IS A POSITIVE TEMPERATURE COEFFICIENT RESISTOR MOUNTED TO HEAT SINK. RESISTANCE IS 100 MAX OHM COLD
3. ALL CAPACITORS 100V, TOLERANCE 20% FOR ELECTROLYTIC TYPES, 10% ON ALL OTHERS.
2. COMPONENTS WITH VALUE PREFIXED WITH A "^\~" REPRESENT SMT COMPONENTS.
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-000182-00.

NOTES: UNLESS OTHERWISE SPECIFIED

Supplies: B1 = 30v at 100mA
B2 = 20v at 50mA
B3 = 40v at 60mA
B4 = 27v at 50mA

Puppetmaster vol.
18.6 volts of zen
in series with 56
Stackup:
11
2.4
1.2
18.6
= 33.2 volts of zen
40 volts available

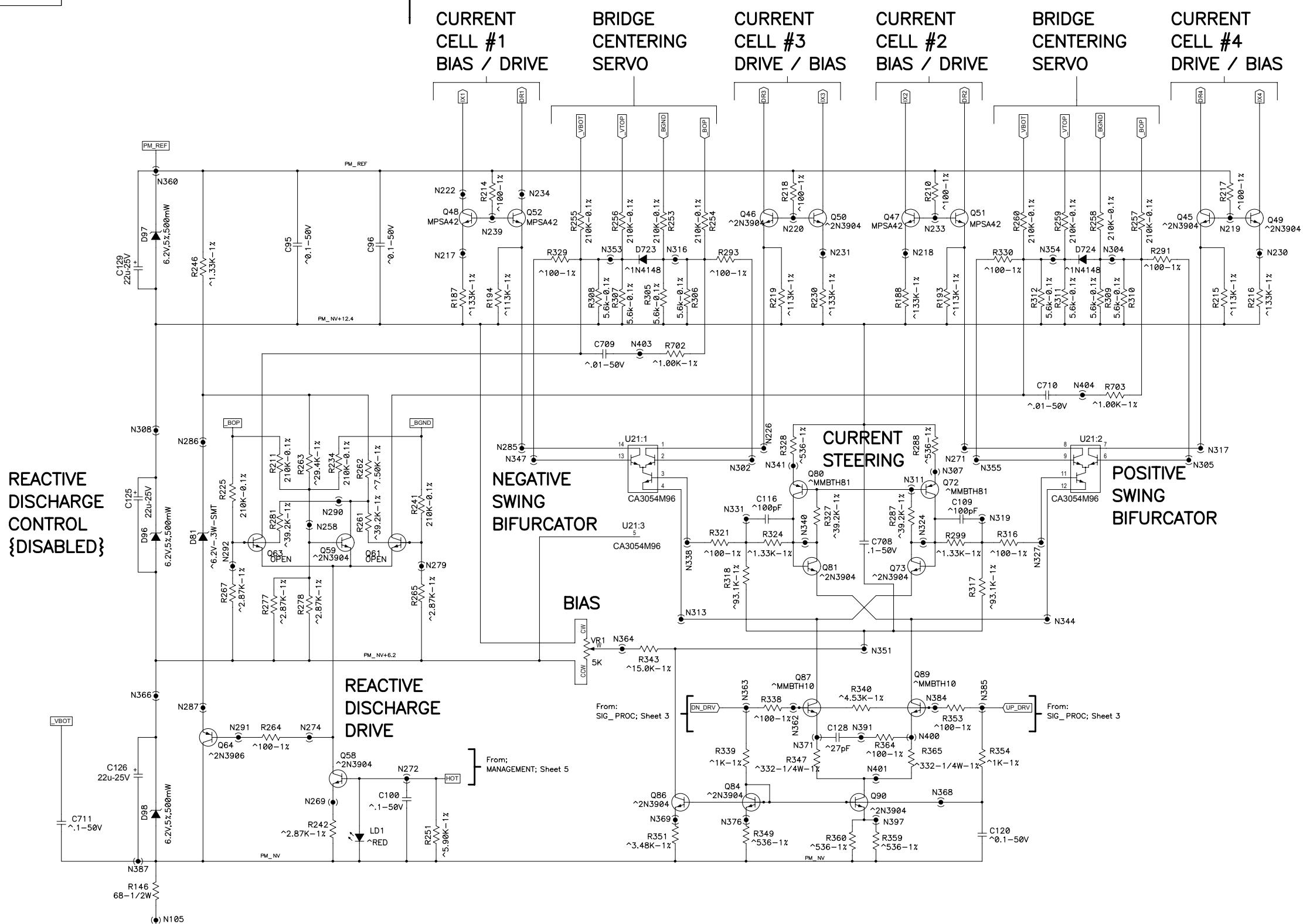
QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES XX ± .XXX ± 0 DEBURR EDGES .XXX R MAX MATERIAL			CONTRACT NO.	 AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA
			APPROVALS	
			DRAWN P. IERYMENKO	11-30-95
			CHECKED	
FINISH			ISSUED	SIZE D FSCM NO. DWG NO.
			CAD SEED FILE NO.	PLOT DATE: Mon Nov 13, 2006
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING	SCALE None CAD FILE NO. SH00182A.SCH SHEET 1 OF 7 REV A

SCHEMATIC DIAGRAM MAIN PCB, PL 9.0

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PUPPETMSTR

To:
LC_OUTPUTS; Sheet 1



SIG_PROC

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ROUTING

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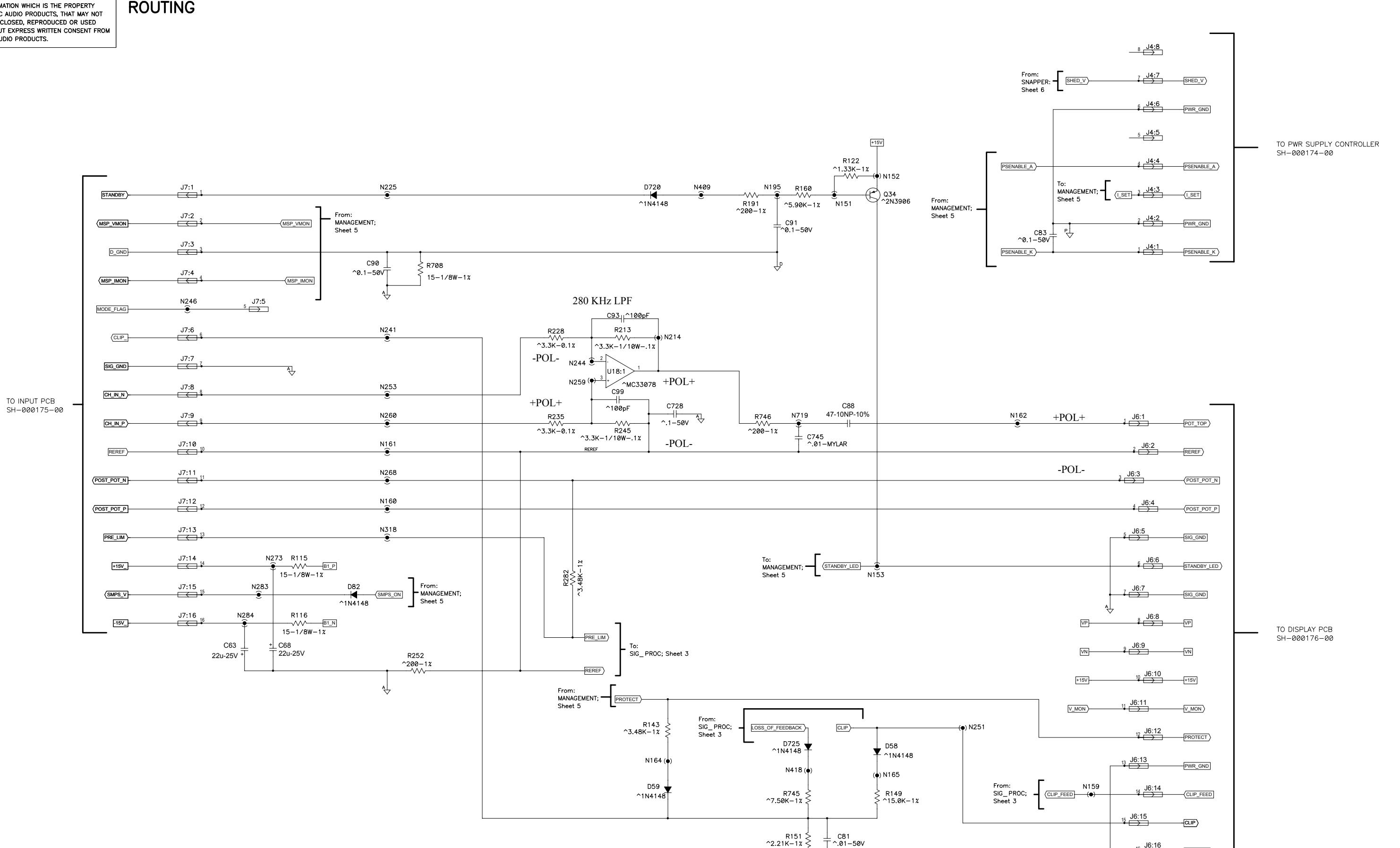
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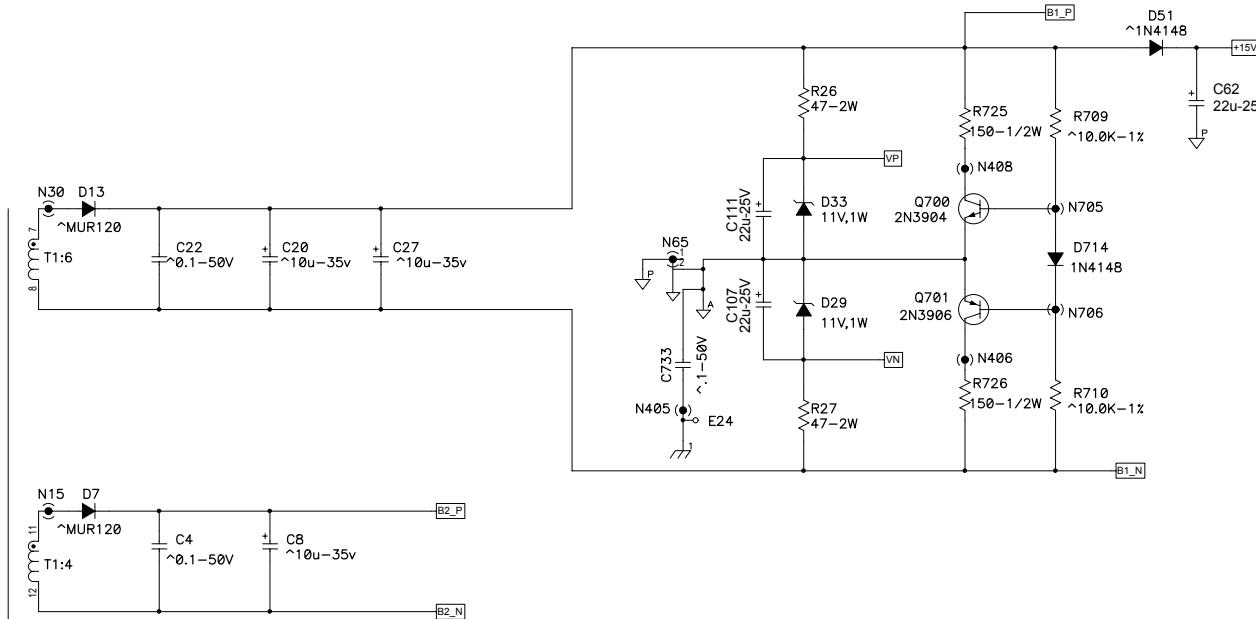
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HK_SUPPLY



Supplies: B1 = 30v at 100mA
B2 = 20v at 50mA
B3 = 40v at 60mA
B4 = 27v at 50mA

